

DOCKET NO.: IS01348AP

IN THE CLAIMS:

1. (Currently Amended) A high pressure sensor ~~mounting configuration~~ comprising:

a cylindrical pressure sensor cavity comprising
a ~~convex~~ conical open end, and
a first bearing surface;

an internally threaded collet comprising a second bearing surface that bears on the first bearing surface when the internally threaded collet is threaded onto a pressure port, causing the ~~convex or concave~~ conical open end to bear on a ~~concave or convex~~ conical mating surface of the pressure port; and

a housing that captures the internally threaded collet on the cylindrical pressure sensor cavity.

2. (Currently Amended) The high pressure sensor ~~mounting configuration~~ according to claim 1, wherein the cylindrical pressure sensor cavity further comprises a flange to which the housing is affixed.

3. (Currently Amended) The high pressure sensor ~~mounting configuration~~ according to claim 1, wherein the first contact surface of the cylindrical pressure sensor cavity has first angle and the second contact surface of the internally threaded collet has a second angle that provide a line contact when the internally threaded collet is threaded onto the pressure port,

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and a third angle of the ~~convex-or-concave~~ conical open end provides a line contact to the ~~concave-or-convex~~ conical mating surface of the pressure port.

4. (Currently Amended) The high pressure sensor ~~mounting configuration~~ according to claim 3, wherein a clearance of the internally threaded collet to the cylindrical pressure sensor cavity and the first, second, and third angles are such as to allow a high pressure seal when the pressure sensor cavity is axially misaligned with the pressure port.

5. (Currently Amended) The high pressure sensor ~~mounting configuration~~ according to claim 1 wherein the housing is an electrical connector housing.

6. (Currently Amended) The high pressure sensor ~~mounting configuration~~ according to claim 1, wherein the cylindrical pressure sensor cavity has a groove that provides lateral stress relief to the cylindrical pressure sensor cavity.

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